

Fig. 1

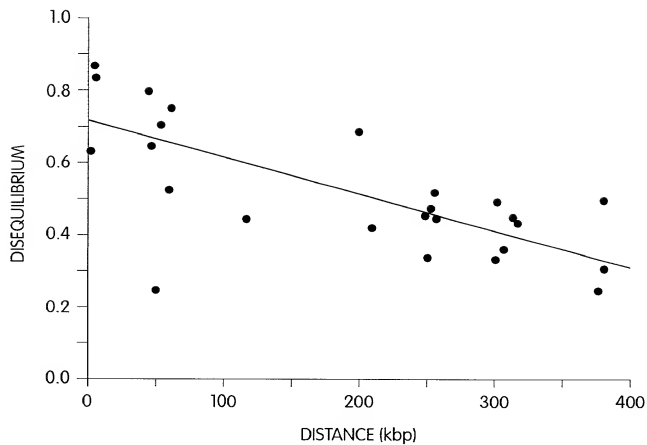


Fig. 2

-1437 AAGCTTCTAC CCTAGTCTGG TGCTACACTT ACATTGCTTA CATCCAAGTG TGGTTATTTTC  
 -1377 TGTGGCTTCT GTTATAACTA TTATAGCACC AGGCTTATGA CCAGGAGAAT TAGACTGGCA  
 -1317 TTAATACAGA ATAAAGAGATT TTGCACCTGC AATAGACCTT ATGACACCTTA ACCAACCCCA  
 -1257 TTATTTACAA TAAACAGGA ACAGAGGGAA TACTTTATCC AACTCACACA AGCTGTTTTTC  
 -1197 CTCCCAGATC CATGCTTTTT TGCGTTTTATT ATTTTTTAGA GATGGGGGCT TCACATATGTT  
 -1137 GCCCACTG GACTAAAACT CTGGGCTCTA AGTGATTGTC CTGCGCTCAGC CTCTCGAATA  
 -1077 GCTGGGACTA CAGGGGCATG CCATCACACC TAGTTCATTT CCTCTATTTA AAATATACAT  
 -1017 GGCCTAAACT CCAACTGGGA ACCCAAAACA TTCATTGCT AAGAGTCTGG TGTTCTACCA  
 -957 CCTGAACCTAG CTGGGCCACA GGAATTATAA AAGCTGAGAA ATTCCTTTAAT AAATAGTAACC  
 -897 AGGCAACACT GTTGAAGGCT CATATGTAAA AATCCATGCC TTCTCTTCTC CCAATCTCCA  
 -837 TTCCCAAATC TAGCCACTGG TTCTGGCTGA GGCCTTACGC ATACCTCCCG GGCCTTGCAC  
 -777 ACACCTTCTT CTACAGAAGA CACACCTTGG GCATATCCTA CAGAAGACCA GGCCTTCTCT  
 -717 TGGTCCCTTG TAGAGGGCTA CTTTACTGTA ACAGGGCCAG GGTGGAGATG TCTCTCTCTA  
 -657 AGCTCCATCC CTCTATAGG AAATGTGTTG ACAATATTCA GAAGAGTAAG AGGATCAAGA  
 -597 CTTCTTTGCT CTCAAATACC ACTGTTCTCT TCTCTACCTC GCCCTAACCA GGAGCTTGTC  
 -537 ACCCCAAACT CTGAGGTGAT TTATGCCTTA ATCAAGCAAA CTCTCCTCTT CAGAGAAAGAT  
 -477 GGCTCATTTT CCCTCAAAAG TTGCCAGGAG CTGCCAAGTA TTCTGGCAAT TCACCTCTGA  
 -417 GCACAATCAA CAAATCTCAGC CAGAACAACA TACTAGCTAC TATTCTAATT ATTAATTATTA  
 -357 ATAAATTCCT CTCCAAATCT AGSCCCTTGA CTTCGGATTT CACGATTTCCT CCCTTCTCTC  
 -297 TAGAAACTTG ATAAGTTTCC CGCGCTTCCC TTTTTCCTAAG ACTACATGTT TGTCACTTGA  
 -237 TAAAGCAAAG GGGTGAATAA ATGAACCAAA TCAATAACTT CTGGAATATC TGCAACAAC  
 -177 AATAATATCA GCTATGCCAT CTTTCACTAT TTTAGCCAGT ATCGAGTTGA ATGAACATAG  
 -117 AAAAAATACA AACTGAATTC TTCCCTGTAA ATTCCCCTGT TGGACGACG ACTTGTAGCC  
 -57 ACGTAGCCAC CTCTACTTAA GACAATTACA AAGAGCGAAG AAGACTGACT CAGGCTTAAAG  
 4 CTGGCAGCCA GAGAGGGAGT CATTTCAATT GCGTTTGAGT CAGCAAAAGT ATTGTCCTCA  
 64 CATCTCTGGC TATTAAAGTA TTTTCTGTTG TTGTTTTCT TTTTGGCTGT TTTCTCTCAC  
 124 ATTGCCTTCT CTAAAGCTAC AGTCTCTCCT TTCTTTTCTT GTCCCTCCCT GGGTTGGTAT  
 184 GTGACCTAGA ATTACAGTCA GATTTCAGAA AATGATTCTC TCATTTTGCT GATAAGGACT  
 244 GATTTCGTTTT ACTGAGGGAG GGCAGAACTA GTTTCCTATG AGGGCATGGG TGAATACAAC  
 304 TGAGGCTTCT CATGGGAGG AATCTCTACT ATCCAAAATT ATTAGGAGAA AATTGAAAAT  
 364 TTCCAACCTCT GTCTCTCTCT TACCTCTGTG TAAGGCAAAAT ACCTTATTCT TGTGGTGT  
 424 TTGTAACCTT TTCAAACTTT CATTGATTGA ATGCCCTGTC TGCGAATACA TTAGGTTGGG  
 484 CACATAAGGA ATACCAACAT AAATAAAACA TTCTAAAAGA AGTTTACGAT CTAATAAAGG  
 544 AGACAGGTAC ATAGCAAAC AATTCAAAGG AGCTAGAAGA TGGAGAAAAT GCTGAATGTG  
 604 GACTAAGTCA TTCACAAAG TTTTCAGGAA GCACAAAGAG GAGGGGCTCC CCTCACAGAT  
 664 ATCTTGATTA GAGGCTGGCT GAGCTGATGG TGGCTGGTGT TCTCTGTGCG AGAAGTCAAG  
 724 ATGGCCAAAG TTCCGACAT GTTTGAAGAC CTGAAGAACT GTTACAGGTA AGGAATAAGA  
 784 TTTATCTCTT GTGATTAAAT GAGGGTTTCA AGGCTCACCA GAATCCAGCT AGGCATAACA  
 844 GTGGCCAGCA TGGGGGCAGG CCGGCAGAGG TTGTAGAGAT GTGTACTAGT CCTGAGTCA  
 904 GAGCAGGTTT AGAGAAGACC CAGAAAAACT AAGCATTFCAG CATGTTAAAC TGAGATTACA  
 964 TTGCGAGGGA GACCGCCATT TTAGAAAAAT TATTTTGTAG GTCTGTCTGAG CCTTACATGA  
 1024 ATATCAGCAT CAACCTTAGAC ACAGCCTCTG TTGAGATCAC ATGCCCTGTG ATAAGAATGG  
 1084 GTTTTACTGG TCCATTCTCA GGAAAACTTG ATCTCATCCA GGAACAGGAA ATGGCTCCAC  
 1144 AGCAAGCTGG GCATGTGAAC TCACATATGC AGGCAAATCT CACTCAGATG TAGAAGAAAG  
 1204 GTAAATGAAC ACAAAGATAA AATTACGGAA CATATTAAAC TAACATGATG TTTCCATTAT  
 1264 CTGTAGTAAA TACTAACACA AACTAGGCTG TCAAAATTTT GCCTGGATAT TTTACTAAGT  
 1324 ATAAATTATG AAAATCTGTT TAGTGAATAC ATGAAAGTAA TGTGTAAACAT ATATCTATT  
 1384 TGGTTAAAAA AAAAAGGAAG TGCTTCAAAA CCTTTCTTTT TCTCAAGGA GCTTAACATT  
 1444 CTTCCCTGAA CTTCAATTA AGCTCTTCAA TTTGTTAGCC AAGTCCAAAT TTTACAGATA  
 1504 AAGCACAGGT AAAGCTCAAA GCCTGTCTTG ATGACTACTA ATTCCAGATT AGTAAGATAT

Fig. 3

1564 GAATTACTCT ACCTATGTGT ATGTGTAGAA GTCCTTAAAT TTCAAAGATG ACAGTAATGG  
 1624 CCATGTGTAT GTGTGTGACC CACAACATC ATGGTCATTA AAGTACATTG GCCAGAGACC  
 1684 ACATGAAATA ACACAAATTA CATTCTCATC ATCTTATTTT GACAGTGAAA ATGAAGAAGA  
 1744 CAGTTCCTCC ATTGATCATC TGTCTCTGAA TCAGGTAAGC AAATGACTGT AATTCTCATG  
 1804 GGACTGCTAT TCTTACACAG TGGTTTCTTC ATCCAAAGAG AACAGCAATG ACTTGAATCT  
 1864 TAAATACTTT TGTTTTACCC TCACTAGAGA TCCAGAGACC TGCTTTTCAT TATAAGTGAG  
 1924 ACCAGCTGCC TCCTTAAACT AATAGTTGAT GTGCATTGGC TTCTCCGAGA ACAGAGCAGA  
 1984 ACTATCCCAA ATCCCTGAGA ACTGGAGTCT CCTGGGGCAG GCTTCTCAGT GATGTTTAGT  
 2044 ATGCCATCCT GAGAAAAGCCC CGCAGGCCGC TTCACCAGGT GTCTCTCTCC AACCTGATG  
 2104 TGTGTGGTGT GTCTTCTCTG ACACCAGCAT CAGAGGTTAG GCAAGGTCTC CAAACGTCAA  
 2164 GCTGAGAGAG AGGAAGCAAG CCAGCTGAAA GTGAGAAGTC TACAGCCACT CATCAATCTG  
 2224 TGTTATGTGT TTTGGAGACC ACAAAATAGC ACTATAAGTA CTGCCTAGTA TGTCTTCAGT  
 2284 ACTGGCTTTA AAAAGCTGCC CCAAGGAGT ATTTCTAAAA TATTTTGAGC ATTGTTAAGC  
 2344 AGATTTTATA CCTCCTGAGA GGGAACTAAT TGGAAAGCTA CCATCACTA CAATCATTGT  
 2404 TAACCTATTT AGTTACAACA TCTCATTTTT GAGCATGCAA ATAAATGAAA AAGTCTTCTG  
 2464 AAAAAAATCA TCTTTTTATC CTGGAAGGAG GAGGAAGAGT GAGACAAAAG GGAGAGAGGG  
 2524 AGGAAGAGCT AATGAAACAC CAGTTACCTA AGACCAGAAT GGAGATCCTC CTCACCTACG  
 2584 CTGTTGAATA CAGCACTAC TGAAAAGAAT TTCATTCCCT GACCATGAAC AGCCTTCTCAG  
 2644 CTCTCTTTTT CCTTCTCAC AGAAATCTCT CTATCATGTA AGCTATGGCC CACTCCATGA  
 2704 AGGCTGCATG GATCAATCTG TGTCTCTGAG TATCTCTGAA ACCTCTAAAA CATCCAAGCT  
 2764 TACCTTCAAG GAGAGCATGG TGGTAGTAGC AACCAACGGG AAGGTTCTGA AGAAGAGACG  
 2824 GTTGAGTTTA AGCCAATCCA TCACTGATGA TGACCTGGAG GCCATCGCCA ATGACTCAGA  
 2884 GGAGAGTAAG GGGTCAAGCA CAATAATATC TTTCTTTTAC AGTTTTAAGC AAGTAGGGAG  
 2944 AGTAGAATTT AGGGGAARAT TAAACGTGGA CTCAGAATAA CAGAAGACAA ACCAAGCAAT  
 3004 AGTCTGGTAA CTATACAGAG GAAAATTAAT TTTTATCCTT CTCAGGAGG GAGAAATGAG  
 3064 CAGTGGCCTG AATCGAGAAT ACTTGCTCAC AGCCATTATT TCTTAGCCAT ATTGTAAGG  
 3124 TCGTGTGACT TTTAGCCTTT CAGGAGAAAG CAGTAATAAG ACCACTACG AGCTATGTC  
 3184 CTCTCATACT AACTATGCCT CCTTGGTCAT GTTACATAAT CTTTTCGTGA TTCAGTTTCC  
 3244 TCTACTGTAA AATGGAGATA ATCAGAATCC CCACCTCATT GGATTGTTGT AAAGATTAAG  
 3304 AGTCTCAGGC TTTACAGACT GAGCTAGCTG GGCCCTCCTG ACTGTTATAA AGATTAAATG  
 3364 AGTCAACATC CCCTAACTTC TGGACTAGAA TAATGTCTGG TACAAAGTAA GCACCAATA  
 3424 AATGTTAGCT ATTACTATCA TTATTATTAT TATTTTATTT TTTTTTTTTG AGATGGAGTC  
 3484 TGGCTCTGTC ACCCAGGCTG GAGTGCAGTG GCACAATCTC GGCTCACTGC AAGCTCTGCC  
 3544 TCCTGGGTTT ATGCCATTCT CCTGGCTCAG CCTCCCGAGT AAGCTGGGAA TACGGGCACC  
 3604 CGCCACTGTT CCGGCTAAT TTTTGTGATT TTTAGTAGAG ACGGAGTTTC ACCGTGGTCT  
 3664 CCATCTCTCT GGTATCCACC CACCTTGGCC TCCCAAAGTG CCGGAGATTAC AGGCCTGAGC  
 3724 CACCGCGCCC TATTATTAT TATTATTAT ACTACTACTA CTACTATAT GAACTACTC  
 3784 AGCAATACTA ATTTATTAAAT GACTGGATTA TGTCTAAAAC TCACAAAGAA CCTACTCTCT  
 3844 CATTTTACAT AAAAGGAAAC TAAGCTCATT GAGATAGGTA AACTCGCCCA TGGCATACAT  
 3904 CTGTAAATGG GAGAGCTTCA AATCTAATTC AGTCTACCT GAGTAAAAAA ATCATGGTTT  
 3964 CTCTCCATC CTCTTACTGT ACAAGCCTCC ACATGAACATA TAAACCCAAT ATTCTGTTT  
 4024 TTAAGATAAT ACCTAAGCAA TAACGCATGT TCACCTAGAA GGTGTTTTAA TGTACAAAA  
 4084 TATAAGAAAA TAAAAATCAC TCATATCGTC AGTGAGAGTT TACTACTGCC AGCATATGG  
 4144 TATGTTTCTT TAAATCTTT GCTATACACA TACCTACATG TGAACAAATA TGTCTAACAT  
 4204 CAAGACCACA CTATTATCAA CTTTATATCC AGCTTTTCTT ACTTAGCAAT GTATTGAGGA  
 4264 CATTTTAGAG TGCCCGTTTT TCACCAATT AAGCAATGCA ACCATGAACA TCTGTATAAA  
 4324 TAAATATCCA TTTTCTCAC CTTTATTTTC CTTAGAATAT ATTTCTAGAA GTAGAAATTT  
 4384 CCAGAGTCAAT GAGGATTTGT GACGCTATTG ATATGTGCCA CTTTGCATCT TCTGTGACAT  
 4444 ATATAATTAT TTTTAAATGCA TTCATTTTTT TCTCAGAGTG CATTTCGTTG AAAACATAGA  
 4504 CGGGAATATC TGGTAGTCTT CTTTGTCTAG TAGAAACACC CAAAACATGA AAAATGAAAA

Fig. 3 (cont.)

4564 AGTTGCACAA ATAGTCTCTA AAAACAATGA AACTATTGCC TGAGGAATTG AAGTTTAAAA  
 4624 AGAAGCACAT AAGCAACAAC AAGGATAATC CTAGAAAACC AGTTCTGCTG ACTGGGTGAT  
 4684 TTCATCTCTC TTGCTTCTCT CATCTGGATT GGAATATTCC TAATACCCCC TCCAGAACTA  
 4744 TTTTCCCTGT TTGCTTAGA CTGTGTATAT CATCTGTGTT TGACATAGA CATTAATCTG  
 4804 CACTTGTGAT CATGGTTTAA GAAATCATCA AGCCTAGGTC ATCACCTTTT AGTCTCTGTA  
 4864 GCAATGTGAA ATACAACCTT ATGAGGATCA TCAAAATACGA ATTCATCCTG AATGACGCC  
 4924 TCAATCAAGG TATAATTCTG GCCAATGATC AGTACCTCAC GGCTGCTGCA TTACATAATC  
 4984 TGGATGAAGC AGGTACATTA AAATGGCACC AGACATTCTC GTCATCTCC CCTCCTTTCA  
 5044 TTTACTTATT TATTTTATTC AATCTTTCTG CTTGCAAAAA ACATACCTCT TCAGAGTCTT  
 5104 GGGTTGCACA ATCTTCCGAC AATAGCTTGA AGCAGCAGCAG CCCCATAAAA ATCCAGAGCC  
 5164 AGGGCAGAAG GTTCAACTAA ATCTGGAAGT TCCACAAGAG AGAAGTTTCC TATCTTTGAG  
 5224 AGTAAAGGGT TGTGCACAAA GCTAGCTGAT GTACTACCTC TTTGGTTCTT TCAGACATTC  
 5284 TTACCCCTCAA TTTTAAAACT GAGGAAACTG TCAGACATAT TAAATGATT ACTCAGATTT  
 5344 ACCCAGAAGC CAATGAAGAA CAATCACTCT CCTTAAAAA GTCTGTTGT CAAACTCACA  
 5404 AGTAACACCA AACCAGGAAG ATCTTTATTA TCTCTGATA CATATTGTAG AGCAAAACC  
 5464 TCCAATAAGC TACAAATATG GCTTAAAGGA TGAAGTTTAG TGTCAAAAA CTTTATAC  
 5524 ACACATCCAA TTTTCATGGC GGACATGTTT TAGTTTCAAC AGTATACATA TTTTCAAAAG  
 5584 TCCAGAGAGG CAATTTTGCA ATAAACAAGC AAGACTTTTT CTGATTGGAT GCATCTCAGC  
 5644 TAACATGCTT TCAACTCTAC ATTTACAAAT TATTTTGTGT TCTATTTTTT TACTTAATAT  
 5704 TATTTCTGCA ATTTTCCCAA TATTGACATC GTGTATGTAT TTGCCATTTT TAATATCACT  
 5764 AGACAATTCA ATCAGGTTGC TACGTTGGTC CCTTGGGTTT ACTCTAAATA GCTTGATTGC  
 5824 AAATATCTTT GTATATATTA TTGTTTTTTC TCCTATCTTG TAATTTCTTT GAGCACATCC  
 5884 CAAAGAGGAA TGCCTAGATC AATGGGCACA AATAATTTGA CAGCTCTTAT TAAACATTAT  
 5944 TCTGTAAGTA TGGCTGAAC TACTTTTCAG TACTCACTAG ACATATAGT TGTATCAGCT  
 6004 TCCTAAACCC CTCATGTTA GGTCAATTAT AACTTATGAT CTACAAATTT ACAGGCTCTT  
 6064 ATCCCACTAA TGAAATTATA AGAGATTCAA CACTTATTC GCCCCGAAGG ATTCATTCAA  
 6124 CGTAGAAAA TCTAAGAACA TTAACCAAGT ATTTACCTGC CTAGTGAGTG TGAAGACAT  
 6184 TGTGAAGGAC ACAAGATGAT ATAGAATTC ATTCCTGACT TCCAGGTATT TACACCATAG  
 6244 GTGGGGACCT AACTACACAC ACACACACAC ACACACACAC ACCATGCACA  
 6304 CACAATCTAC ATCAACACTT GATTTTATAC AAATACAATG AATTTACTTT CTTTTTGGTT  
 6364 CTTCTCTTCA CCAGTGAAAT TTGACATGGG TGCTTATAAG TCATCAAAAG ATGATGCTAA  
 6424 AATTACCTCG ATTCTAAGAA TCTCAAAAAC TCAATTGTAT GTGACTGCC AAGATGAAGA  
 6484 CCAACCAAGT CTGCTGAAGG TCAGTTGTCC TTTGTCTCCA ACTTACCTTC ATTTACATTC  
 6544 CATATGTTT TAAATAAGCC CAATAGGCAG AACCTCTAA CAGGTGACA CTGTCTCTTT  
 6604 TCCTTCTTAC CACAGCCCCC ACCTACCCAC CCCACTCCCA TTGATTCCAG AGGCGTGCCT  
 6664 AGGCAGGATG TATGAGAKAA TATAACAGAG AGTAAGAGGA AAATTACCTT TTTCTTTTTT  
 6724 CTTTCCCTG CCGACCTTCA TTCACTCCC ATCCAGAGC ATCCATTAT TCCATTGATC  
 6784 TTTACTGACA TCTATTATCT GACTACACA ATACTAGACA TTAGGACAA GTGGCCTGCC  
 6844 TCCAAGAAAC TCAATAAGC CAACTGAGAT CAGAGAGGAT TAATCACCTG CCAATGGGCA  
 6904 CAAAGCAACA AGCTGGGAGC CAAGTCCCAA AGTGGGGCCT GCTGCTTCCA GTTCCCTCTT  
 6964 CTCTGCATTG ATGTCAGCAT TATCCTTCGT CCCAGTCTCT TCCTCACTAC CACTTTCGCC  
 7024 CTCAAACACA CACACACACA ACAGCCTTAG ATGTTTCTTC CACTGATAAG TAGGTGACTC  
 7084 AATTGTAAG TATATAATCC AAGACCTTCT ATTCCCAAGT AGAATTTAGT TGCCCTGCTG  
 7144 TGCTTTTCTA CCTGGATCAA GTGATGTCTA CAGAGTAGGG CAGTAGCTTC ATTCATGAAC  
 7204 TCATTTCAGG AGCATATTCT ACTGAGAGCC TTGTATTTTT CAGCTATAGT GTCACAGCA  
 7264 GTGTGGACAG TGGTGCATCA AAGCCTCTAG TCTCATAGAA CTTAGTCTTC TGGAGGATAT  
 7324 GGAACCAAGC CAACCCAAAC AACCACAAAG AGAGCAAGAT GCTGCAAAAG AAAAAAAAT  
 7384 GAATAGGGTG CTAAGATAGA GAAAAGTGGG AGAGTGCTAT TTGACAAAG TGTGAAAAAC  
 7444 AAAGCCCCCT GTGAGATGAG AGCTGCCGAC AGAGGGGGCG GGTGATGGTT GTGGGTTTTT  
 7504 GGTGAGGACA TTCAGAGGAG GGGCGGGGTC GTGGTTGTGG GTTTTGGGT AGGACATTCA

Fig. 3 (cont.)

7564 GAGGAGGGGG CGGGTCGTGG TTGTGGGTTT TTGGGTAGGA CATTGAGAGG AGGGGGCGGG  
 7624 TCGTGGTTGT GGGTTTTTGG GTAGGACATT CAGAGGAGGG GCGGGGTCGT GGTGTGGGT  
 7684 TTTTGGGACA TTGAGAGGAG TCTGAATGCA CCCAGGCCCTA CAACTTCAAG ATGGTAAAGG  
 7744 ACAGCTCCAA GGATCAGAAG AAGCATCTTT GGAAGCTGGG CATTTTGAGA AGGAGGAAAA  
 7804 ATATGACAGG ACTAGTGCCT GCAGAGCTTG CATTTGGATT TCATTGGAGG TACAATGAAA  
 7864 ACCCATTAAT GGGTTTCACA CAGTGCATAG GCCTGACCTC ACTTATATTT CCTAAATAG  
 7924 AAAACAGATG AGAAGGAAGG CAATAGAGAA GCAGAAAGTC CAATGAGGAG GTTTCACAGC  
 7984 AGTCATGGGG GTGGGGTAAG GAAAAGAAAGT GGAAGAAAC AGACAGAATT GGGTTATATT  
 8044 TTGGAGATAG AACCAACAGA AGGAAGAGGA GAAACAACAT TTACTGAGAA GGGAAAAAGT  
 8104 AGGAGAGGAA TAGGTTTGGG AAATAAATCC TGCTGACATT GGAAACCCCA AGGAGGCTC  
 8164 AAAATATAT TTAAGTCTTT TAGATTTAAA AGAATAGGAA AGAAGCATCT CAACTTGGAA  
 8224 TTTGAAATCT ATTTTTCATT AAAAGTATTG TTAATTTCTA CTCATCTCA CAAGAAAAGT  
 8284 ACATTCTAAA GAGTATATTG AAAGAGTTTA CTGATATACT TAGGAATTTT GTGTGTATGT  
 8344 GTGTGTGTGT ATGTGTGTGT GTGTGTTTAA CCTTCAATTG TTGACTTAAA TACTGAGATA  
 8404 AATGTCTACT AAATGCTAAA TTGATTTCCC AAAGGTATGA TTTGTTCACT TGGAGACTCA  
 8464 AATGTTTAGG GGGCTTAGAA TCACGTAGT GCTCAGATTT GATCGAAAAAT GTCTTAGGCG  
 8524 TAGTTTGAAG GCAGGACAGA AACAAATGTTT CCTCCTTACC TGCTTGATA CAGTAAGATA  
 8584 CTAGTGTGAC TGACATCTT CATAACTAAT TTGATCTCT CTTCAATCAA CTGAGGAAAT  
 8644 CAACTCTTAT TAATAGACTG GGCCACACAT CTACTAGGCA TGTAATAAAT GCTTGCTGAA  
 8704 TGAAACAAATG AATGAAGAGC CTATAGCATC ATGTTCACAG CATAGTCCTA AAGTGTGTT  
 8764 TCTCATGAAG GCCAAATGCT AAGGGATTGA GCTTCAGTCC TTTTTCCTAAC ATCTTGTCTT  
 8824 CTAACAGAAAT TCTCTTCTTT TCTTCATAGG AGATGCCTGA GATACCCAAA ACCATCACAG  
 8884 GTAGTGAGAC CAACCTCCTC TTCTTCTGGG AAACCTCACGG CACTAAGAAC TTTTTCACAT  
 8944 CAGTTGGCCCA CCAAACTTTG TTTATTGCCA CAAAGCAAGA CTAAGTGGGTG TGCTTGGCAG  
 9004 GGGGGCCACC CTTCTACTCT GACTTTCAGA TACTGGAATA CCAGGCGTAG GTCTGGAGTC  
 9064 TCACTTGTCT CACTTGTGCA GTGTTGACAG TTCATATGTA CCATGTATAT GAAGAAGCTA  
 9124 AATCCTTTAC TGTGTAGCAT TTGCTGAGCA TGTACTGAGC CTGTGAATTC TAAATGAATG  
 9184 TTTACACTCT TTGTAAGAGT GGAACCAACA CTAACATATA ATGTTGTTAT TTAAGAAACA  
 9244 CCCTATATTT TGCATAGTAC CAATCATTTT AATTATTATT CTTCATAACA ATTTTAGGAG  
 9304 GACCAGAGCT ACTGACTATG GCTACCAAAA AGACTCTACC CATATTACAG ATGGGCAAA  
 9364 TAAGGCATAA GAAAACCTAG AAATATGCAC AATAGCAGTT GAAACAAGAA GCCACAGACC  
 9424 TAGGATTTCA TGATTTTCAAT TCAACTGTTT GCCTTCTGCT TTTAAGTTGC CATGTAACTC  
 9484 TTAATCAAAT AGCATAAGTT TCTGGGACCT CAGTTTATC ATTTTCAAAA TGGAGGGAAT  
 9544 AATACCTAAG CCTTCTGTC GCAACAGTTT TTTATGCTAA TCAGGGAGGT CATTTTGGTA  
 9604 AAATACTTCT CGAAGCCGAG CCTCAAGATG AAGGCAAGGT ACGAAATGTT ATTTTAAAT  
 9664 TATATTATTT ATATGTATTT ATAAATATAT TTAAGATAAT TATAATATA TATATTTATG  
 9724 GGAACCCCTT CATCTCTGA GTGTGACCAG GCATCTCCA CAGTATGAGA CAGTGTGTTT  
 9784 TGGGATAAGT AAGTTTGATT TCATTAATAC AGGGCATTTT GGTCCAAGTT GTGCTTATCC  
 9844 CATAGCCGAG AAACCTGCGA TTCTAGTACT GTGGAGACCT GTAATCATAT AATAAATGTA  
 9904 CATTAAATAC CTTGAGCCAG TAATTGGTCC GATCTTTGCA TTTTGGCCA TTAACCTTAT  
 9964 CTGGGCATTC TTGTTTCATT CAATTCCACC TGCAATCAAG TCCTACAAAG TAAAAATAGA  
 10024 TGAACCTCAAC TTTGACAACC ATGAGACCAC TGTTATCAAA ACTTTCTTTT CTGGAATGTA  
 10084 ATCAATGTTT TTTCTAGGTT CTAAAAATGG TGATCAGACC ATAATGTTAC ATTAATATCA  
 10144 ACAATAGTGA TTGATAGAGT GTTATCAGTC ATAACATAAT AAAGCTTCCA ACAAAATTTCT  
 10204 CTGACACATA TTATTTCATT GCCTTAATCA TTATTTTACT CATTGTTAAT TAGGGACAAA  
 10264 TGGAATAATG TTACATAAAT AATTGTATTT AGTGTACTT TATAAAATCA AACCAAGATT  
 10324 TTATATTTTT TTCTCCTCTT TGTTAGCTGC CAGTATGCAT AAATGGCAAT AAGAATGATT  
 10384 ATATTTCCGG GTTCACTTAA AGCTCATATT ACACATACAC AAAACATGTF TTCCCATCTT  
 10444 TATACAAACT CACACATACA GAGCTACATT AAAACAACCT AATAGGCCAG GCACGGTGGC  
 10504 TCAGACCTGT AATCCCAGCA CTTTGGGAGG

Fig. 3 (cont.)

-1933 AGAAAGAAAG AGAGAGAGAA AGAAAAGAAA GAGGAAGGAA GGAAGGAAGG AAGAAAAGACA  
 -1873 GGCTCTGAGG AAGGTGGCAG TTCCTACAA GGGAGAACCA GTGGTTAATT TGCAAAGTGG  
 -1813 ATCCTGTGGA GGCANNAGA GGAGTCCCT AGGCCACCCA GACAGGGCTT TTAGCTATCT  
 -1753 GCAGGCCAGA CACCAAAATT CAGGAGGGCT CAGTGTTAGG AATGGATTAT GGCTTATCAA  
 -1693 ATTACACAGA AACTAACATG TTGAACAGCT TTTAGATTTC CTGTGGAAAA TATAACTTAC  
 -1633 TAAAGATGGA GTTCTTGTGA CTGACTCCTG ATATCAAGAT ACTGGGAGCC AAAATTAAAAA  
 -1573 TCAGAAGGCT GCTTGGAGAG CAAGTCCATG AAATGCTCTT TTTCCCACAG TAGAACCTAT  
 -1513 TTCCCTCGTG TCTCAAAATC TTGCACAGAG GCTCACTCCC TTGGATAATG CAGAGCGAGC  
 -1453 ACCATACCTG GCACATACTA ATTTGAATAA AATGCTGTCA AATTCCCATT CACCCATTCA  
 -1393 AGCAGCAAA CTTATCTCAC CTGAATGTAC ATGCCAGGCA CTGTGCTAGA CTTGGCTCAA  
 -1333 AAAGATTTC GTTTCCTGGA GGAACCAAGG GGGCAAGGTT TCAACTCAGT GCTATAAGAA  
 -1273 GTGTTACAGG CTGGACAGG TGCTCACGC CTGTAATCCC AACATTGGG AGGCCGAGGC  
 -1213 GGGCAGATCA CAAGGTCAGG AGATCGAGAC CATCTGGCT AACATGGTGA AACCTGTCT  
 -1153 CTACTAAAAA TACAAAAAAT TAGCCGGGCG TTGGCGGCGAG GTGCCGTGAG TCCCAGCTGC  
 -1093 TGGGGAGGCT GAGGCGAGG AATGGTGTGA ACCCGGGAGG CGGAAGTTCG AGGGGGCCGA  
 -1033 GATCGTGCCA CTGCATCCA GCCTGGGCGA CAGAGTGAGA CTTCTGTCTCA AAAAAAATAA  
 -973 AAAAGTGTTA TGAATGCAGC CTGTCAAAGA GGCAAAGGAG GGTGTTCCTA CACTCCAGGC  
 -913 ACTGTTTCA ACCTGGAGTC TCATTTCATC TACAAATGGA GGGCTCCCCT GGGCAGATCC  
 -853 CTGGAGCAGG CACTTTGCTG GTGTCTCGGT TAAAGAGAAA CTGATAACTC TTGGTATTAC  
 -793 CAGAGATAG AGTCTCAGAT GGATATTCCT ACAGAAACAA TATCCCATT TTTCAGAGTT  
 -733 CACCAAAAAA TCATTTTAGG CAGAGCTCAT CTGGCATTTA TCTGGTTTCA CTCTAGAGTT  
 -673 GGTAGGGTA ACAGCACCTG GTCTTGCAGG GTTGTGTGAG CTTATCTCCA GGGTGTCCCC  
 -613 AACTCCGCTA GGAGCGCTGA CCTGCATAC CGTATGTCTT CTGCCCCAGC AAGAAAGGCT  
 -553 CAATTTTCTC CTCAGAGGCT CCTGCAATTG ACAGAGAGCT CCGGAGGAGC AGAACAGCAC  
 -493 CCAAGGTAGA GACCCACACC CTCAATACAG ACAGGGAGGG CTATTGGCCC TTCTATTGTAC  
 -433 CCATTATGCC ATCTGTAAAT GGAAGATTTC CTAAACTTAA GTACAAAGAA GTGAATGAAG  
 -373 AAAAGTATGT GCATGTATAA ATCTGTGTGT TTTCCACTTT TCTCCACATA TACTAAATTT  
 -313 AAACATTCTT CTAAGCTGGG AAAATCCAGT ATTTTAATGT GGACATCAAC TGCAACAACG  
 -253 TTGTGAGGAA AACAATGCAT ATTTGCATGG TGATACATTT GCAAAATGTG TCTATAGTTG  
 -193 CTACTCCCTT GCCTTCCATG AACAGAGAAA TATTCTCAGT TTTATTAGTC TCTCCCTTAA  
 -133 GAAGCTTCCA CCAATACTCT TTTCCCTCTT CTTTAACTTT GATTGTGAAA TCAGSTATTC  
 -73 AACAGAGAAA TTTCTCAGCC TCCTACTTCT GCTTTTGAAG GCTATAAAAA CAGCGAGGGA  
 -13 GAAACTGGCA GATACCAAA CTTCTCGAGG CACAAGGCAC AACAGGCTGC TCTGGGATTC  
 48 TCTTCAGCCA ATCTTCTATG CTCAAGTATG ACTTTAATCT TCCTTACAACT TAGGTGCTAA  
 108 GGGAGTCTCT CTGTCTCTCT GCCTCTTTGT GTGTATGCAT ATTCTCTCTC TCTCTCTCT  
 168 TCTTCTCTCT TCTCTCTCT CTTCTCTCTC TGCCTCTCT CTCAGCTTTT TGCAAAAATG  
 228 CCAGGTGTAA TATAATGCTT ATGACTCGGG AAATATTCTG GGAATGGATA CTGCTTATCT  
 288 AACAGCTGAC ACCCTAAAGG TTAGTGTCAA AGCCTCTGCT TACTCTCTCC TAGCCAAATC  
 238 ATTGCTAGTT TGGGTTTGGT TTAGCAAAATG CTTTCTCTA GACCCAAAGG ACTTCTCTTT  
 308 CACACATCTA TCTATTACT CAGAGATCAT TTCTTGCAT GACTGCGATG CACTCATTTT CTCTTTTTTA  
 468 TGAGAGAAAT CACACATGAA CGTAGCCGTC ATGGGGAAAT CACTCATTTT CTCTTTTTTA  
 528 CAGAGGTGTC TGAAGCAGCC ATGGCAGAA GCTTGTAGCT GCGCAGTGAA ATGATGGCTT  
 588 ATTACAGTCT GGGGTAGACG CTGAGACGAG TAACATGAGC AGGCTCTCTC TTTCAGAGT  
 648 AGAGTGTAT CTGTGCTTGG AGACCAGATT TTTCCCTTAA ATTGCTCTT TCACTGGCAA  
 708 ACAGGGTGCC AAGTAAATCT GATTTAAAGA TCACTTTCCC ATTAACAAGT CCTCCAGCCT  
 768 TGGGACCTGG AGGCTACTCA GATGTGTTGT TCCAAGGGCT TCCTCGAGAG GCAAAATGGG  
 828 AGAAAGATT CCAAGCCAC AATACAAGGA ATCCCTTTGC AAAGTGTGGC TTGGAGGGAG  
 888 AGGGAGAGCT CAGATTTTAG CTGACTCTGC TGGGCTAGAG GTTAGGCTTC AAGATCCAAC  
 948 AGGGAGCACC AGGGTGCCCA CCTGCCAGGC CTAGAATCTG CTTCTCGGAC TGTTCTCGGC

Fig. 4

1008 ATATCACTGT GAAACTTGCC AGGTGTTTCA GGCAGCTTTG AGAGGCAGGC TGTTTGCACT  
 1068 TTCTTATGAA CAGTCAAGTC TTGTACACAG GGAAGGAAAA ATAAACCTGT TTAGAAGACA  
 1128 TAATTGAGAC ATGTCCCTGT TTTTATTACA GTGGCAATGA GGATGACTTG TTCTTTGAAG  
 1188 CTGATGGCCC TAAACAGATG AAGGTAAGAC TATGGGTTTA ACTCCCAACC CAAGGAAGGG  
 1248 CTCTAAACACA GGGAAAGCTC AAAAGAAAGGA GTTCTGGGCC ACTTTGATGT CATGGTATTT  
 1308 TGTTTTAGAA AGACTTTTAA CTCTTCCAGT GAGACACAGG CTGCACCACT TGCTGACCTG  
 1368 GCCACTTGGT CATCATATCA CCACAGTCAC TCACATAACGT TGGTGGTGGT GGCCACACTT  
 1428 GGTGGTGACA GGGGAGGAGT AGTGATAATG TTCCCATTTT ATAGTAGGAA GACACCAAG  
 1488 TCCTTCAACAT AAATTTGATT ATCCTTTTAA GAGATGGATT CAGCCATATGC CAATCACTTG  
 1548 AGTTAAACTC TGAAACCAAG AGATGATCTT GAGAACCTAA ATATGTCTAC CCTTTTGAAG  
 1608 TAGAATAGTT TTTTGCTACC TGGGGTGAAG CTTATAACAA CAAGACATAG ATGATATAAA  
 1668 CAAAAGATG AATTGAGACT TGAAAGAAAA CCATTCACCTT GCTGTTTGAC CTTGACAACT  
 1728 CATTTTACCC GCTTTGGACC TCATCTGAAA AATAAAGGGC TGAGCTGGAT GATCTCTGAG  
 1788 ATTCACCAAT CCTGCAACCT CCAGTTCGA AATATTTTCA GTTGAGCTA AGGGCATTTG  
 1848 GGCAGCAAA GTGCTATTTT CAGACTCATC CTTACAAGA GCCATGTTAT ATTCTGCTG  
 1908 TCCCTTCTGT TTTATATGAT GCTCAGTAGC TTCTCAGGT CAGCCAGCAT CAGCTAGCT  
 1968 AGGTGAGTTG TGCAGGTTGG AGGCAGCCAC TTTTCTCTGG CTTTATTTTA TTCCAGTTTG  
 2028 TGATAGCCTC CCTTACGCTC ATAATCCAGT CCTCAATCTT CTATAAACA TATTTCTTTA  
 2088 GAAGTTTAA GACTGGCATA ACTTCTTGGC TGCAGCTGTG GGAGGAGCCC ATTTGGCTTGT  
 2148 CTGCCCTGGC TTGCCCCCCC ATTGCCCTCT CCAGCAGCTT GGCTCTGCTC CAGGCAGGAA  
 2208 ATCTCTCTCT GCTCAACTTT CTTTGTGCA CTTACAGGTC TCTTTAACTG TCTTCAAGC  
 2268 CTTTGAACCA TTATCAGCCT TAAGGCAACC TCAGTGAAGC CTTAATACGG AGCTTCTCTG  
 2328 AATAAGAGGA AAGTGGTAAC ATTTCAACAA AAGTACTCTC ACAGGATTTG CAGAATGCCT  
 2388 ATGAGACAGT GTTTATGAAA AGGAAAAAAA AGAACAGTGT AGAAAAATGT AATACTTGCT  
 2448 GAGTGAGCAT AGGTGAATGG AAAATGTTAT GGTCTATCTG ATGAAAAAGC AATCTATAGT  
 2508 GTGACAGCAT TAGGGATACA AAAAGATATA GAGAAGGTAT ACATGTATGG TGTAGGTGGG  
 2568 GCATGTACAA AAAGATGACA AGTAGAATCG GGATTTATCT TAAAGAAATG CCGTGAAGT  
 2628 GTCCAGAAGC CACATTCTAG TCTTGAGTCT GCCTCTACCT GCTGTGTGCC CTTGAGTACA  
 2688 CCCTTAACCT CTTTGAGCTT CAGAGAGGGA TAATCTTTTT ATTTTATTTT ATTTTATTTT  
 2748 GTTTTGT TTTTGT TTTTATGAG ACAGAGTCTC ACTCTGTTGC CCAGGCTGGA  
 2808 GTGCAGTGGT ACAATCTTGG CTTACTGCAT CCTCCACCTC CTGAGTTCAA GCGATTCTCC  
 2868 TTCCTCAGTC TCCGTAATAG CTAGGATTAC AGGTGCACCC CACCACACCC AGCTAATTTT  
 2928 TGTATTTTGA GTAGAGAAGG GGTTCGCCA TGTGCGCCAG GCTGGTTTGA AAGTCTGAC  
 2988 CTAATATGTT CATCCACCTC GGCTTCCCAA AGTGCTGGGA TTACAGGCAT GAGGCCACCAC  
 3048 GCTTGGCCCA GAGAGGGATG ATCTTTAGAA GCTCGGGATC CTTTCAAGCC TTTCTCTCCT  
 3108 CTCTGAGCTT TCTACTCTCT GATGTCAAAG CATGGTTCTC GGCAGGACCA CCTCACCAGG  
 3168 CTCCCTCCCT GCCTCTCTCC GCAGTGCTCC TTCCAGGACC TGACCTCTG CCTCTGCTAT  
 3228 GCGGCGATCC AGCTACGAAT CTCGACACC CACTACAGCA AGGGCTTCA GCGAGCCGCG  
 3288 TCAGTTGTTG TGGCCATGGA CAAGCTGAGG AAGATGCTGG TTTCCCTGCC ACAGACCTTC  
 3348 CAGGAGAATG ACCTGAGCAC CTTCTTTCCC TTCACTTTTG AAGAAGGTAG TTAGCCAAGA  
 3408 CGAGCGAGTA GATCTCCACT TGTGTCTCTT TGAAGTCAT CAAGCCCCAG CCAACTCAAT  
 3468 TCCCCCAGAG CCAAAGCCCT TTAAGGTAG AAGGCCACG GGGGAGACAA AACAAAGAAG  
 3528 GCTGGAAACC AAAGCAATCA TCTCTTTAGT GGAAACTATT CTTAAAGAAG ATCTTGATGG  
 3588 CTACTGACAT TCGCAACTCC CTCACTCTTT CTCAGGGGCC TTTCACTTAC ATTGTACCA  
 3648 GAGGTTGCTA AGCTCCCTGT GGGCTAGTGT TATGACCATC ACCATTTTAC CTAAGTAGCT  
 3708 CTGTTGCTCG GCCACAGTGA GCAGTAATAG ACCTGAAGCT GGAACCCATG CTAATAGTGT  
 3768 TCAGGTCCAG GTTCTTTAGC CACCCCACTC CCAGCTTCAT CCTACTGGTG GTTGTACATCA  
 3828 GACTTTGCGT GTATATGCT AGGTGTCCCT CAAGAAATCA AATTTTGGCA CCTGCGCTCA  
 3888 CGAGGCTCTG CCTTCTGATT TTATACCTAA ACAACATGTG CTCACACTTT CAGAACCTAT  
 3948 CTTCTTGCAC ACATGGGATA ACGAGGCTTA TGTGCACGAT GCACCTGTAC GATCACTGAA

Fig. 4 (cont.)



4008 CTGCACGCTC CGGGACTCAC AGCAAAAAAG CTTGGTGTATG TCTGGTCCAT ATGAAGTGA  
 4068 AGCTCTCCAC CTCCAGGGAC AGGATATGGA GCAACAAGGT AAATGGAAAC ATCCTGGTTT  
 4128 CCTCGCCTGG CTCTCTGGCA GCTTGTCTAAT TCTCCATGTT TTAACCAAGG TAGAAAGTTA  
 4188 ATTTAAGGCA AATGATCAAC ACAAGTGAAA AAAAATATTA AAAAGGATAA TACAAACTTT  
 4248 GGTCTAGAAA ATGGCACATT TGATTGCACT GGCCAGTGCA TTTGTTAACA GGAGTGTGAC  
 4308 CCTGAGAAAT TAGACGGCTC AAGCACTCCC AGGACCATGT CCACCCAAGT CTCTTGGGCA  
 4368 TAGTGCAATG TCAATTCTTC CACAATATGG GGTCAATTGA TGTCCCGCTG CTAATCGCCT  
 4428 GTGGGTTCTC TCTTCTCTGT GTTGAGGCTG AAACAAGAGT GCTGGAGCGA TAATGTGTCC  
 4488 ATCCCCCTCC CCAGTCTTCC CCCCTTGCCC CAACATCCGT CCCACCAAT GCCAGGTGGT  
 4548 TCTTGTGATG GAAATTATTAC CGCCACGACG GAACCTATAT CTCTCCCGCTG TAACGGGCAG  
 4608 AAGTTTCAAG TCGGTGAAC CCATCATTAG CTGTGGTGAT CTGCCTGGCA TCGTGCCACA  
 4668 GTAGCCAAAG CCTCTGCACA GGAGTGTGGG CAACTAAGGC TGCTGACTTT GAAGGACAGC  
 4728 CTCACTCAGG GGGAAAGCTAT TTGCTCTCAG CCAGGCCAAG AAAATCCTGT TCTTTGGGAA  
 4788 TCGGGTAGTA AGAGTGATCC CAGGGCTCCT AATTGACACT CCTGTGACTG AGGAAGATCA  
 4848 AAATGAGTGT CTCTCTTTGG AGCCACTTTC CCAGCTCAGC GCTCTCTCTC CCAGTTTCTT  
 4908 CCCATGGGCT ACTCTCTGTT CCTGAAACAG TTCTGGTGCC TGATTTCTGG CAGAAGTACA  
 4968 GCTTCACCTC TTTCCTTTCC TTCCACATTT ATCAAGTTGT TCCGCTCCTG TGGATGGGCA  
 5028 CATTGCCAGT CAGTGACACA ATGGCTTCTC TCCTTCTCTC TCTTCAGACT TAAATGTATG  
 5088 ACCCTCTTTC ATTCTCCGTT CTTACTGCTA TGAGGCTCTG AGAAACCCCT AGGCCTTTGA  
 5148 GGGGAAACCT TAAATCAACA AAATGACCTT GCTATTGTCT GTGAGAAGTC AAGTTATCCT  
 5208 GTGCTCTAAG CCAAGGAACC TCACGTGGG TTCCACAGAA GGCTACCAAT TACATGTATC  
 5268 CTACTCTCGG GCGTAGGGGT TGGGGTGACC CTGACTGCTG TGTCCCTAAC CACAAGACCC  
 5328 CCTTCTTCTT CTAGTGGTGT TCTCCATGTC TTTGTACAAA GGAGAAGAAA GTAATGACAA  
 5388 AATACCTGTG GCCTTGGGCC TCAAGGAAAA GAATCTGTAC CTGTCTGGCG TGTGTGAAAG  
 5448 TGATAAGCCC ACTCTACAGC TGGAGGTAAG TGAATGCTAT GGAATGAAGC CCTTCTCAGC  
 5508 CTCCCTGCTAC CACTTATTCC CAGACAAATC ACCTTCTCCC CGCCCCATC CCGTAGAAAA  
 5568 GCTGGGAACA GGTCTATTTG ACAAGTTTGG CATTAAATGTA AATAAAATTA ACATAATTTT  
 5628 TAACTGCGTG CAACCTTCAA TCCTGCTGCA GAAAATTAAT TACTTTTGCC GATGTTATTA  
 5688 TGTCTTACCA TAGTTACAAC CCCAACAGAT TATATATTGT TAGGCTTGCT CTAATTTGAT  
 5748 AGACACCTTG GGAATAGAT GACTTAAAGG GTCCCATTAT CACGTCCACT CCACCTCCAA  
 5808 AATCACCACC ACTATCACCT CCAGCTTTCT CAGCAAAAGC TTCATTTCAC AGTTGATGTC  
 5868 ATTCTAGGAC CATAAGGAAA AATACAATAA AAAGCCCCG GAAACTAGGT TCTTCAAGAA  
 5928 GCTCTAGCTT AATTTTCACC CCCCCAAAAA AAAAAAATC TCACCTACAT TATGCTCCTC  
 5988 AGCATTTGCC ACTAAGTTTT AGAAAAGAAG AAGGGCTCTT TTAATAATCA CACAGAAAGT  
 6048 TGGGGGCCCC GTTACAACCT AGGAGTCTGG CTCTGATCA TGTGACCTGC TCGTCAGTTT  
 6108 CTTTCTTGCG CAACCCAAAAG AACATCTTTC CCATAGGCAT CTTTGTCCCT TGCCCCACAA  
 6168 AAATTCTTCT TTCTCTTTG CTGCAGAGTG TAGATCCCAA AAATTACCAA AAGAAGAAGA  
 6228 TGGAAAAGCG ATTTGTCTTC AACAGATAG AAATCAATAA CAAGCTGGAA TTTGAGTCTG  
 6288 CCCAGTTCCT CAACTGGTAC ATCAGCACCT CTCAGCAGA AAACATGCCC GTCTTCTCTG  
 6348 GAGGAGCCAA AGGCGGCCAG GATATAAGCT ACTTCACCAT GCAATTTTGT TCTTCTTAAA  
 6408 GAGAGCTGTA CCGAGAGAGT CCTGTGCTGA ATGTGGACT ATACCTTAGG CTGCGCAGAA  
 6468 AGGGAACAGA AAGGTTTTG AGTACGGCTA TAGCTGGAC TTTCTGTTG TCTACACCAA  
 6528 TGCCCCAAGT CCTGCCTTAG GGTAGTGCTA AGGAGATCTC CTGTCCATCA GCCAGGACAG  
 6588 TCAGCTCTCT CTTTTCAGGG CCAATCCCCA GCCCTTTTGT TGAGCCAGAC CTCTCTCACC  
 6648 TCTCTACTCT CTTTAAAGCC CGCCTGACAG AAACCCAGCG CACATTTGGT TCTAAGAAAG  
 6708 CCTCTGTGAT TCGCTCCAC ATTCTGATGA GCAACCGCTT CCTTATTAT TTAATTATT  
 6768 GTTTGTTTGT TTTGATTCAT TGGTCTAATT TATTCAAAGG GGGCAAGAAG TAGCAGGTGC  
 6828 TGTAAAAGCT CTAGTTTTT ATAGCTATG GAATCAATTC AATTGGACT GGTGTGCTCT  
 6888 CTTTAAATCA AGTCTTTAA TTAAGACTGA AAATATATAA GCTCAGATTA TTTAAATGGG  
 6948 AATATTATTA AATGAGCAAA TATCATAGT TTCAATGGTT CTGAAATAAA CTTCAGTGA

Fig. 4 (cont.)

7008	GAAAAA	AAAGGGTCTC	TCCTGATCAT	TGACTGTCTG	GATTGACACT	GACAGTAAGC
7068	AACAGCGCTG	TGAGAGTTTC	TGGGAGCTAA	CCCATCTCCT	CATCTGTAGT	GCTGGCAAGTA
7128	CCTAGAATAA	TCCTTGGCCA	CGGAAGACTA	TCTCTCTCAT	ATTGCTCCCT	TATTTCTGTTG
7188	TTCAACGAGA	GGATATTTCG	TGCACATCTG	GAAACAGGAT	AGCTGAAGCA	CTCGACGGGAG
7248	TCAGGACTGG	TAGTAACACG	TACCATTGTT	TATCTATCAA	TGCACCAAA	ATCTGTTGAG
7308	CAAGCGCTAT	TACTATGGAG	CTGGGAGTAT	AGAGATGAGA	ACAGTGCACAA	GTCCCTCCTC
7368	AGATAGGAGA	GGCAGCTAGT	TATAGACAGA	ACAAAGTTAA	ATGACAAAGA	GAGTAAGATA
7428	GAGAACGAA	GAGGAGTAGC	CAGGACAGGAG	GGAGGAGAAT	GATCAAGAAT	TCAAGCTTAA
7488	AGGGAATAAC	AGAAGATTTC	CAGGACTGGG	CTGGGCGCAAT	TGGGTTGCGG	TTACGCGCTAG
7548	AATCCCAACA	CTTTGGGTGG	CAGGGCGACA	AAGATTCGTT	GAGCCCAAGA	GTTTCAAGACG
7608	AGCTCTGGGA	ACATATGTAG	ACTCCCATCT	CTACAAAAAA	TAAATTAATA	AATAAATAACA
7668	TCAGCCAGGC	ATGCTGGCAT	GCACCTGTAG	TCCTAGCTAC	TTGGGAAGCT	GACACTGGAG
7728	GATGTGTTGA	GCCCAAGAAGT	TCAAGACTGC	AGTGAGCTTA	TCCGTTGACC	TGCAGGTGGA
7788	C					

Fig. 4 (cont.)

-5988 GTCGACCTGC AGGTCAACGG ATCTGAGAGG AGAGTAGCTT CTTGTAGATA ACAGTTGGAT  
 -5928 TATATACCATT GTCCTGATCC CCTTCATCAT CCAGGAGAGC AGAGGTGGTC ACCCTGATAG  
 -5868 CAGCAAGCCCT GGGGGCTGCA GCTTGGTGGG TAGAGGTACT CAGGGGTACA GATGTCCTCA  
 -5808 AACCTGTCCT GTGCGCTTAG GGAGCTTCTA ATAAGTTGAT TATGTTGGTT AAAATTAAC  
 -5748 TGGCTACTTG GCAGGACTGG GTCAGTGAGG ACCAACAAAA AGAAGACATC AGATTATACC  
 -5688 CTGGGGGTTT GTATTCTCTG TGTTTCTTTT TCTTCTTTGT ACTAAAAATAT TTACCCATGA  
 -5628 CTGGGAAGA GCAACTGGAG TCTTTGTAGC ATTACTTTAG CAAAAATTTA CAAAGTTTGG  
 -5568 AAAACAATAT TGCCCATATT GTGTGGTGTG TCCTGTGACA CTCAGGATTC AAGTGTGGGC  
 -5508 CGAAGCCATT AAATGTGAGA TGAAGCCATT ACAAGGCAGT GTGCACATCT GTCCACCCAA  
 -5448 GCTGGATGCC AACATTTTCA AAATAGTGCT TCGGTGACAT TAATGTCAGT CCAGAGGGCC  
 -5388 CAAATGAAAA TGTTTGTAAT GAAATTTGTT AAAGCTTCCC GACAAACTAG ATTTATCAGT  
 -5328 AAGGATTTGT TTCTGCAAGG GGGATGAAAC TTGTGGGGTG AGCCATTGG GCTGAGGAG  
 -5268 AGGGAGGTTG GAGCTGAGAA ATGTGGAGAC AATTTCCCTT TAGAAGAGCAT GAATCTCCCT  
 -5208 GCCTCTCTGG GGTGCGGCAG CCAGCAGGAT CCAATGGTGT ATATGTCCTC CCAGCTCCCC  
 -5148 ATTCAGTGAT ATCATGTGAG TAGCTTGAAA TTATCCGTGG TGGGAGTATT ATGTCAATGA  
 -5088 AATTGGCAAA TGGAACTTTT TATTGGAGAT TCAATTGTTA AACTTTTACC AGCACAACAC  
 -5028 TGCCCTGCTT TCAGAGTCAA TGACCCATAT CAAGTTTAAT CCATCTGTCC ACTGTCTCCA  
 -4968 ACAGCATCTT TATAAAACAC ACCTGACAAC ATTACCCTTT TATTCAAGTTT TTTAAAGAT  
 -4908 AAGTTTCCAG CTCATCGGGG TGGCTTTAAA GGCCATTCTT CCTCTGGACC TCACCCAACT  
 -4848 TTTCAAATCA CTTTTCCTAC CCCTACCTCT AAATGCTACT CAAACTCCAG CCAATCTGAA  
 -4788 TAATAAGACT TTTGAAAAGT AGATTATGGG CTGGGCACAG TGGCTCACAC CTGTAATCCC  
 -4728 AGCACTTTGG GAGGCCAAGA TGGGTGGATG ACCTGAGGCT GGGAGTTCCG GACGAGCCTG  
 -4668 ACTAACATAG TGAAACCTCT TCTCTACTAA AAATCAAAAA TATGTTGGGG GTGGTGGCAC  
 -4608 AAGCCTGTAA TCCCAGCTAC TCAGGAGGTT GAGGCAGGGG AATTGCTTGA ACCTGGGAGG  
 -4548 CGGAGGTTGC GGTGAGCCTA GATTGCTCCA CTGCACCTCA ACCTGGGCAG CAAAGAGCGA  
 -4488 ACTCCATCTC AAAAAATAA ATAAATAAAT AAAGTAGATT ACCTCAGATA CCTCTGGCCT  
 -4428 AGGTTGTTTA TGACCAACTC TCCTGCTGAG AATAACTAGA AAAGCTAGAC AAAACATATT  
 -4368 TCCAAAAGAT CTCTTTGGAG GCATCAGAGA ATGGCCAAAG CTGTAAGGAA CTGCTGTGAG  
 -4308 CCAGAGAGGT GGAGCCGAGC ACTGGTGCCC TTTACTCTTG GAGACATGTG CTGGTTTCAA  
 -4248 AAACCTTCAG TGAGCTTTTG AGCATTTATG GAACTTGGTG GGGGAGATGA AATTGTATCC  
 -4188 TTAATCTCTG CCTACAGGGA GGGTCCCTGA TAATCCCCAC CCAATTGTGA AATCTGGCTC  
 -4128 AGCCTTCACA GGTACTGAAG CCCTCTCTGT AATGATCTCA AGTCTGCTA GGGTAGAGGT  
 -4068 TACCTGCTTT TGAAAGGCTC CTGGCCTACC TGTGCAGCAG GAGCAAAAGT GAACCATCTC  
 -4008 AGGGTACAGA TAACAATCAT CCAGAGCCTT GAATGACCTC TACTGTGCTT AATATATAGT  
 -3948 ATTCAAGCAGT CAGTAAAAAG GATTTAGGCA CATGCAAGAT GACCTGTGTA TCAGGGAGAA  
 -3888 ATAGGCAATA AATTGAGACT CAGCAGGGAT TTGAATCATG GATTTTGAAT AGGGGACGCG  
 -3828 TTCGAAAGAA CTATGGAGAA TATACTCAGA TTTAAACAT TTTAAGTGA TTTTGGCAG  
 -3768 AGAACTAACA ACTGTACAAA AAAGGAACCA AATGGAAATC CTAGAACTGA AAGATGCAAT  
 -3708 TAACCGATGT TGAGAAATAG CCAACATCTA TTGAACACTT CCCATGTGGA CAGCTGTGCT  
 -3648 AAAACACTTTA CAGCATCAAA CATAAGATGT TCCCTCTTAC AGCAGTGCAG TGTCCTCTCT  
 -3588 AAGACATGGA CAGCGTGGT TCCCTATCTC TCTGCTTATC CAAAACCCCT TACTGTTGGG  
 -3528 CTTAGACATA CTGTTGTCT CTAGTGTCTA TAGCACAGG GCTCAGCAGA TGAAGCCGAC  
 -3468 TAGATACAAT TTGATGACCA GGACCTCCGA TGAAGGCCAT GGGTGTCTGAT TGGGAAGGCA  
 -3408 TTGTCTTTTA TGTGCTATGG TCTTAAAGCT TCATCCAGGA AGCAGAACTC GGGGGGTGCT  
 -3348 GAGGACCCATA AACGAGAAT AAGATTAGTC AGAGATTCTC TGTGGGAGCA AATCATAAAG  
 -3288 ACGCCAATCT TTTGGGTGAG ATAAGACGAA ACCAAGAGTG GACTTTGTGC CAGAAGCGTG  
 -3228 AGGAAGAGGG AGAGAGCTTC CTTGTGCTCC TTTCTTCTCT TCCCTAAGCC ACAGTGATTG  
 -3168 ACAGCCCCCC CGCTTTGGAG TCAGAGCAGG CTTGAGACTG GACTGGGAAA GAGGGGTGGG  
 -3108 TCAGGATACA GAGCAGGAAG GCTGGGAGTG CAGGGCAGGA GCAAGGGGCT GGGGCATTCA  
 -3048 TTGTGCCTGA TCTCTCCAC TTTACCTGGG GTAAAGAAGC ATATGCAAAA GCCACGGTGT

-2988 GAGTATTTC CCAAGTCCAG GGT CAGGGCA TGATTATCA CGTGCAGCAT TTCATTCAAT  
 -2928 CCTTATAGTA ACCGATGATG TGGCTTCTAT TATTAGTCT ATCAGATAAT GAAACTGAGA  
 -2868 CCAAGACAGG CTCTGCACAT TGTGTGGGGT AATGACACAG GGGGATTTCAG ACCTAGACTC  
 -2808 CATAACTCTCT GCGCCAGGGA CCACCCCCAC CTCCACCCGT TGCATTGCGA CAAAGGACAG  
 -2748 ACTGGGCCAC TTCTCAGGAC ACAGCGGGGA AATGACACAG AGCAGGGAGG TTCCAGGAGC  
 -2688 CCCGAGCGTC TTTTCTCCAG GAGAATACTC TCTGAATTCA GACTGGGGTC AGAGAAACAT  
 -2628 TTACCCAGGA GCGCGAGTGT GGGTGGGGCT TTTTACTTGA AACGCTGTCT GAAGCGCAGT  
 -2568 GCAGAGTGAA CTCTCCACCC TACCTTGGCA AGCCACTTCT CTTCTGCAAT CTGTAAAGGAC  
 -2508 ATTGTTGAGA GAATTATGGT CTTCOAATTC CGGAGGGTTG AAGAAAGACA AATAGGAGAG  
 -2448 AACCTATCAT AGTCAGGTGC TAGCTGCGCT CTCTTTCAGA GAGTGTGAGA ATAAAGTGAT  
 -2388 ACACCTGATT ATTAGCAAAAT ACTTTGGAAA TTTTAAACGC TAATATTCAA CACACTCTGG  
 -2328 AAGAGGCCAA TAAGTAGACA GGTTCATATA CATCATCTCC TTCAGCTAGT CCTCACAAA  
 -2268 ACAACAAAT GAATAAGCAA AATTCTTCTT AGGACCTCAT AGGAAGACAC TGTTTTCTGA  
 -2208 ACGTGTTCGA AAAAGGATGG GTGACTCACT CAAGGTCACA CTGTTTATGA GGACAGTACA  
 -2148 GGAATACAGA CATGCCATTT TGCTGAAAAA AATCCATCAC CCAGGGAGGT GACACAATTT  
 -2088 TGCAGAAATG TTCTATTTC CTTGAAGGAT ACATTCTTTA AACCTTTGGG AAATTCATTCT  
 -2028 ATAGTCTTCC TCCTTTGAAG GATTACTCTC TGGACACAAA GTGTTTGGAT CTGATTGTGT  
 -1968 GGTGTGAAGA TGTGTTGGTT TCTGTATTGT TCTGTATTGT TTGTTGAAA ATAGACTCAT  
 -1908 CAAGATCAAC TGCTGTAGTA GTAAATATTT TGACATTTTG TCTGTATTCC TGTGCTGCC  
 -1848 TCACAAGCTG TACTACCTTG AGTGAGTCAT TCATACTTTT TTGTTTGTGT TTGTTTGTGA  
 -1788 GATGGAGTCT CATCTGTTG CCTAGGCTGG AGTGCGGTGG CGTGATCTGT CCGTCACTGG  
 -1728 ACCTCCATCT CCTGGGTTCA AGTGATCCTC CTGCTCAGC CTCGCCAGTA GCTGGGATG  
 -1668 CAGGCACATG CCACCATCCC TGCTAATTTT TGGCATTTTA GTACAGACGG AGTTTTCACCA  
 -1608 TGTGGTTCAG GTTGGTCTTG AACTCCTGAC CTCAGGTGAT CCGCCACCT CAGCCTCCCC  
 -1548 AAGTGCTGGG ATTACAGGTG TGAGCCACCG TGCCCGACCC AGCCATCAT TTTGAAACAC  
 -1488 GTTTGAGAAA TAGTGTCTTC CTTTGAGGGC CAAGGAGACA TTTTTTTGTT TTTTGTGTTT  
 -1428 GTTTTTGTGA GGACTAGCTG AAGGGGTGA TGTATATTA CTGCTTACT TATTGCTCT  
 -1368 TTCCCAGAGT GTGATGAATA TTAGGGTTTA AAGTTTCTGA AGCATTTGTT AATAAAGCCC  
 -1308 GGGGCTGGAG GTCAGAAGAC CTGGATTCT CTGCATACT TTGRCATCAG CAAGCTGTGT  
 -1248 GACCTTGGAC AGATCCCTTT TTTGTCTAAA TCTTTCTGAG TCTTCTGAA AACAAATGCCA  
 -1188 GGTGGGACA GGAATGATGC CAAGCTCCCG TCCAGCTCTA AAACACTGCA ACGTATGCTT  
 -1128 CTGCACAGC ACTGTCCATC CTGTAGATCA CTGAGAAAT CTCTTCAACT TTTTCTTACC  
 -1068 CATAAAATAG GAGCATGCTT ACCTTTTTTC TAATGTTCCA GGCCCGGGT CTAGATATTG  
 -1008 TAAGTAAGGA AGTTAATGTG TATCAGAGCC CATTATGGGC CAGAAGTTCT CCTCTTCTT  
 -948 CCTACACCTG CTTCCTCCCT CCCCTCCCTCC CTCTTCCCT TCCTTCTCTC CATCCATTG  
 -888 TGAGAGAGAC ATGATCACCC TCATTCTGAG AGTGAAAGAGA CAGAGGCTCA ACTAATGAAA  
 -828 TGATTTGTTT AAGGTCACAC GGGTGGCACA AGGCAAGTGG CAGAGGTTGA ATTTAGACCC  
 -768 ATTCCTGTCC AAATGCTGAG TTTATGTCAT CGTCCCAGGA CCATAACTTT AAAGATGTAA  
 -708 GATAGTGGGA AAAGAGTTGA TTTCAAAGCA CCTCTCAGAA GGACTCACTT TACATCAGG  
 -648 GTCAGCAGAC TCAGGCCAAA TCCGGCTCAT TCCCGCTTT TGCAAAAGAA GTTGTAGTGG  
 -588 AACACAGTCA GGCTTATTGA TTTATGAGAT GCCAACGTCC TTTTGTGAAA CAGACAGCTG  
 -528 AGCTGAGTAA TCGTGGCGCA CAAAACCTAA AATATTACTT ATCTCGTCTT TACAGAAATG  
 -468 TTTGCCAATC TATGGTCCGG AGTCCAAGGC TGTCCATTTT TCAAAGAACA CAAAGTGACA  
 -408 TGAGACTGTG CCATGTGCAG GGAGCCCTAT CATTTTATTA TGARAAAACG GCCTTCTGCT  
 -348 TCAAATCTGT TTTTAAAAA GTCAACAAAC AGACTCTGGG TACCTGTGAG GAACAGTAGG  
 -288 GAGTTTGGTT TCCATTGTGC TCTTCTTCCC AGGAACCTCA TGAAGGGGAA ATAGAAATCT  
 -228 TAAATTTTGG GAAATGTGAC AGGGGAAAAA GGGGAGGGAA TCAGTTACAA CACTCCATTG  
 -168 CGACACTTAG TGGGGTTGAA AGTGACAACA GCAAGGGTTT CTCTTTTGGT AAATGTGAGG  
 -108 AGGGTATTTC CGCTTCTCGC AGTGGGCGAG GGTGGCAGAC GCCTAGCTTG GGTGAGTGAC  
 -48 TATTTCTTTA TAAACCACAA CTCTGGGCCC GCAATTGGCAG TCCACTGCTT GCTGCAGTCA

Fig. 5 (cont.)

13 CAGAATGGAA ATCTGCAGAG GCCTCCGCAG TCACCTAATC ACTCTCCTCC TCTTCTGTGT  
 73 CCATTGCAGAG ACGATCTGCC GACCTCTGG GAGAAAATCC AGCAAGATGC AAGCCTTCAG  
 133 GTAAGGCTCA CCCAAGGAGG AGAAGGTGAG GGTGGATCAG CTGGAGACTG GAAACATATC  
 193 ACAGCTGCCA GGCTGCCAG GCCAGAGGGC CTGAGAACTG GGTTTGGGCT GAGAGGATG  
 253 TCCATTATTC AAGAAAGAGG CTGTTACATG CATGGGCTTC AGGACTTGTG TTTCAAAATA  
 313 TCCCCAGATGT GGATAGTGC GACCGAGGGC TGTCTTACTT TCCAGAGAC TCAGGAACCC  
 373 AGTGACATAT AGATGCATGC CAAGGAGTGG GACTGCGATT CAGGCTAGT TGAATGTGCT  
 433 GACAGAGAAG CAGAGAGGGG CACCAGGGGC ACAGCCCGAA GCGCCAGACT GATATGGGCA  
 493 AGGCGTGTCT GTGCTGACAT GTCGGAGGGT CCCACTCTCC AGGGACCTTG GTTTCGCCGT  
 553 CTGTGACATC TGTGACATGA GAGTCACGAT AACTCCTTGT GTGCCTTACA GGGCTTGTGT  
 613 GAAAATTAAA TGCACAGATA ATAGCGTAAC AGTATTCCGT GCATTGTAAA GAGCCTGAAA  
 673 ACCATTATGA TTTGAAAATG GAATCGGCTT TGTGAGACCA TCACTATTGT AAAGATGTGA  
 733 TGCTGATAGA AATGACAGGA CTGCTTGTGC ATGCCCTCTG CAGTGTGACA TTCCAGCAGT  
 793 GAAATCATGT TGGGGTGACT TCTCCCCCAC TCTGACCTTT ATGTTTGTCT GCGCGCAGGC  
 853 TGCAACTCGG GCTCTGTGGG TGTATGAGTG ACAAGTCTCT CCCTTGCCAGA TGTGGGAGT  
 913 GTCTGCTTCC CTAGGTTGCC TCTCCCTGCT CTGATCAGCT AGAAGCTCCA GGAGATCCTC  
 973 CTGGAGGCCCC CAGCAGGTGA TGTTTATCCC TCAGACTGA GGCATAACTT AGAAACTAGG  
 1033 ATAAATCACAA ACAGGGCCAT GCTGCCATAT GCCAAGCACT TTGGTTTGGC TGCCACCCCC  
 1093 TCGTCGAGCA TGTGGGCTCT TCAGAGCACC TGATGAGGTG GGTACAGTTA GCCACACTTC  
 1153 ACAGGTGAAG AGGTGAGGCA CAGGTCCCAG GTCAGGCTGG CCGGAGCTCT GTTTATTACG  
 1213 TCTCACAGCT TTGAGTCTGT CTCTCAACCA GAGAGGCCCT TACCAAGAA GAAAGGATTG  
 1273 GGAACCCAGAA TCAGGTCACT GGCTGAGGTA GAGAGGAAGC CGGTTGTGTC CCAAGGGTAG  
 1333 CTGCTCCTGG AGGACTCTGA GCAGGTCACC AGCTAATGGA GGAAAGGCTC TGGGGAAGA  
 1393 CCCTTCTGTG CTAGACTCA GAGCGAGTTA GTTCGAGCTC TTGGAACCTTC TTGGAACCTTC  
 1453 TACCTAGGTG CTATGTTAGC CACTAGTCTC AGGTGGCTAT TTAATTTTAT ACTTAATGTA  
 1513 ATGAAAATAG AAGAAAATTT AAAATCCAGA CCTTGGTCA CACTATCCAC ATTTAAAGAG  
 1573 GTCAAATAGCC ACATGTGGTT AGTGGCCACC CTATTGGGCA GTGCAGCTAC AGAACATTTT  
 1633 TGCATCCGAG AAAGTTCTTT TGGATGTTGC TGTCTACAG CATGCTTTGC TGAAACAGAA  
 1693 GTGCCTTCCC TGGGAATCTC AGATGGGAAG CAAGTAAGGA GGGGAGCTAA ATGTGGGCTC  
 1753 ACTGCTCACC AGCTGTGAGG GTTGGGCTG CCTCTTAACC ATTGTCAGCC TCAGTCTTCT  
 1813 CATCCATGCA TGCCGTGGGT ATACTAAAAT ACTATACCCC TGAAGAGGCT GGATGCAAAAT  
 1873 TTGACAAGTT CTGGGGGACA CAGGAAGGTG CCAAGCACAA GGGCTGGGAC ATGCTGGCTG  
 1933 TGCATACAGT CTGAGTCTTT TTCTTTTCA GAATCTGGGA TGTAAACGAG AAGACCTTCT  
 1993 ATCTGAGGAA CAACCAACTA GTTGCTGGAT ACTTGCAAGG ACCAAATGTC AATTTAGAAG  
 2053 GTGAGTGGTT GCCAGGAAAG CCAATGTATC TGGGCATCAC GTCACCTTGC CCGTCTGTCT  
 2113 GCAGCAGCAT GGCTGCTCTG CACAAACCTT AGGTGCAATT TCTTAATCCT TGTGGGCTCT  
 2173 TTGTATTCAA GTTTGAAGCT GGGAGGGCTT GGCTACTGAA GGGCACATAT GAGGGTAGCC  
 2233 TGAAGAGGGT GTGGAGAGGT AGAGTCTAGG TCAGAGGTCA GTGCCTATAG GCAAGTGTCT  
 2293 CCAGGGGCCA AGCTGGGAAG GGCAAATACC AGAAGGCAAG GTTGACCAAT CCGTCTCTCA  
 2353 AGTGCCCTATT AAGGCTCCAT GTTCTATGT TGTCAAACC CTTAAGCTAAT CCAAAATTA  
 2413 TCCACCATGT ATAAGGTTGA GCTATGTCTC TTATTCTTGG ACACACATCT CAGCCATATC  
 2473 TGGTCCACAC ATTTACAGCT GGATGACCTT GAAGAAGCTT CACCCACTCT GTTCTCAGC  
 2533 TTTCCCTTCA GTGGGATGAT ATCAACTGGA CAACAGGATG TGCATTCTT TTAGTTCAG  
 2593 CCTTCAGGAA TGTTTTCACT CCCCTGTTTG TGTGTTGAGG ATGTTATTAC CTCCACCTTC  
 2653 CCACCTTCCC TATGCCCTGG TTCTGTCTCC TGTGCTCGC GTTGAAGGTG GATGAGACTC  
 2713 ACAATTCTTG TCCTGGTAGT TCTCCTAATG AACACACTGA AGCACGAGGA AGCTGAGATT  
 2773 TTGTTGTGTA CATGAGAGCA TGGAGGCCTC TTAGGAGAGG AGGAGGTTCA GAGACTCTTA  
 2833 GGCCTCTGGT GAGAGCCCACT TCATGGCCTT GTGCAATTTT CTGCGCCCTC AGCAACACTC  
 2893 CTATTGACCT GGAGCACAGG TATCTCTGGG AAAGTGAGGG AAATATGAGC ATCACATGGA

Fig. 5(cont.)

2953 ACAACATCCA GGAGACTCAG GCCTCTAGGA GTAAGTGGGT AGTGTGCATC CTGGGGAAAG  
 3013 TGAGGGAAAT ATGGACATCA CATGGAACAA CATCCAGGAG ACTCAGGCCCT CTAGGAGTAA  
 3073 CTGGGATAGT TGCATCTCGG GGAAAGTAGG GGAAATATGG ACATCAACATG GAACAACATC  
 3133 CAGGAGACTC AGGCCTCTAG GAGTAAGTGG GTAGTGTGCA TCCTGGGGAG ACCTGAGGGA  
 3193 ATATGGACAT CACATGGAAC AACATCCAGG AGACTCAGGC CTCTAGGAGT AACTGGGTAG  
 3253 TGTGCTTGGT TTAATCTTCT ATTTACCTGC AGACCAGGAA GATGAGACCT CTCTGCCCTT  
 3313 CTGACCTCGG GATTTTAGTT TGTGGGGAC CAGGGGAGAT AGAAAAATAT CCGGGGTCTC  
 3373 TTCAATTATG CTGCTTCTCT TTCTATTAACT CTGACCTCC CTCTGTTTCT TCCCCAGAAA  
 3433 AGATAGATGT GGTATCCCAT GAGCCTCATG CTCTGTTCTT GGGAAATCCAT GGAGGGAAGA  
 3493 TGTGCTGTCT TCTGTCAAG TCTGGTGATG AGACCAGACT CTGCTGGAG GTAAAAACAT  
 3553 GCTTTGGATC TCAAAATCACC CCAAAACCCA GTGGCTTGAA ACAACCAAAA TTTTCTCTTA  
 3613 TGATTCTGTG GGTTGACCAG GATTAGCTGG GTAGTCTGTG TCCATGTGTG GGAACATGCT  
 3673 GGGGTCACTT TGAAGCTGC ATTCAGCAGA GTGCCAGGCT TGGCGTGGGC ATCCAAGGTG  
 3733 GTCCCTCATC CTACAGGCTC TCTTTCCATG TGATCTCTCA GTGTTTAAAG GTTAGTTGGA  
 3793 GCTTCTCTTAC AGCATGCGCG CTGACTTCCA AAAGGGATTA TTCCAAAAGG AGCCTCAACA  
 3853 TGCAGGCGCT TATTATGACT TCTGCTTGCA TCATCCTATT GGCCAAAGCC AGTCACGTGG  
 3913 CTAAGTCTAG CCCCCCTGTA GAGGAGACTG CATAAGAGTG TGAACACCAG GAGACACGGT  
 3973 CACTGGGGGG CACCACGTGA ACCATCTACC ACAGGACCTG AATCTCTGTG TGCTTACTCC  
 4033 TTGCTCAAGG GCCCCCTTAC CCACGCAGAC CTGCTGTCTT CTAGCAAAGC CCATCTCTAG  
 4093 GACCTTTTCT TCCAATCCT TATTGACTCA AATTGATTAG TGGGTGCTCC ACCCAGAGCC  
 4153 CTGTGCTTCT TTATCTCATG TAATGTAAAT GGGTTTCCCA CTGCTGGGAA AACATGGCTT  
 4213 TGTCTCAGGG GCTTGTCTGA TGCAACCTTA ACCTCAATGT GAGTGGCCAT ACTGTGGCAG  
 4273 TGTCCCCATC CTCACCAAGG ACACGTGTTT CTGAGGGTGAC TGCTCTGTTCT GTGAGGAGTG  
 4333 GGGATGGCTA GGACATTGCA TGGAAACAC CACCACCCCA TCTTCTCAGA GCTCAAACCC  
 4393 TGACAGAACA CAGCTCCAC AGGCCTTGGC TTCTGTGTAT GGTGCGGTGT ATTTACAGCA  
 4453 CTTAGTGGTC CAAGGCCAGA GTGGCAGATT TCCCAAAGCT AAGGTGTGAC AGTGGGACAG  
 4513 CCTCTTTGTG TCTTTGCTGT CCTAAGAAAC CTGGGCCAGG CCAGGCGCAG TGGCTCACGC  
 4573 CTTGTAATCC CAGCACTTTG AGAGGCCAAG GTGGGCAGAT CACGAGGTCA GGAGTTTGAG  
 4633 ACCAGCCTGG CCAACATTGG TGAACCTTGA TCTCTATTAA AAATAAAAAA CATTAGACAG  
 4693 GTGTGGTGGT GCATGCTGTG AATCCAGCT ACTCAGGAGG CTGAGGCAGG AGAATTGCTT  
 4753 GAACCCAGGA GGTGGAGGTT GCAGTGAGCC GAGATTGTGC CACTGCTAGC CAGCCTAGGC  
 4813 GACAGAGCAA GACTCCGTCT CGGGAATAAT AATTAATAAA TAAATAAACC TAGGTCCCAG  
 4873 AGTCCCCAGC AATGGCAGAC AGGAGCACTT GGGGGCTTTT AGGGTATGGC ATTTCCCGCT  
 4933 TACTAACTCT GGGCTGTCCA GAGGCGATTT CATGGCGTGG AGTGGAGAGG GAGGCAGCAC  
 4993 AGGACTTCTT AGGCCTCAGC TCTCACTGCG CCATCTTTTG ATTTCCAGGC AGTTAAACAT  
 5053 ACTGACCTGA GCGAGAACAG AAAGCAGGAC AAGCGCTTCG CCTTCATCCG CTCAGACAGT  
 5113 GGCCCCACCA CAGTTTGA GTCTGCGGCC TGCCCCGTTT GGTTCCTCTG CACAGCGATG  
 5173 GAAGCTGACC AGCCCGTCA CCTCACCATT ATGCTTGACG CAGGCGTCAT GGTCAACAAA  
 5233 TTCTACTTCC AGGAGGACGA GTAGTACTGC CCAGGCTGCG ATGTTCCCAT TTCTGCATGG  
 5293 CAAGACTGCG AGGGACTGCC AGTCCCCCTG CCCCAGGGCT CCGGCTATG GGGGCACTGA  
 5353 GGACACGCCA TTGAGGGGTG GACCTCAGA AGGCGTCA CAACCTGTCT CACAGGACTC  
 5413 TGCTCTCTCT TCAACTGACC AGCCTCCATG CTGCTCCAG ATAGCTGTTT CTAATGTGTG  
 5473 AATCAGAGCA CAGCAGCCCC TGCACAAAGC CCTTCCATGT CGCCTCTGCA TTCAGGATCA  
 5533 AACCCCGAC ACCTGCCCAA CTTGCTCTCC TCTTGCCATC CCCTCTTCTT CCCTCATTC  
 5593 ACCTTCCCAT GCCTGGGATC CATCAGGCCA CTTGATGACC GGTTCCTCTG TGGCTCCAC  
 5653 ACCCTGTTTT ACAAAAAAGA AAAGACCAGT CCATGAGGGA GGTTTTTAAG GGTTTGGGA  
 5713 AAATGAAAT TAGGATTCA TGATTTTTTT TTTTCAGTCC CCGTGAAGGA GAGCCCTTCA  
 5773 TTGGAGAAAT ATGTTCTTTC GGGGAGAGGC TTGAGACTTA AATATTCTC GACTTTGTGA  
 5833 AATGATGGTG AAAGTAAAGT GTAGCTTTTC CTTCTTTTTT CTTCTTTTTT TGTGATGTC  
 5893 CAACTTGTAA AAATTAAGA TATGGTACT ATGTTAGCCC CATATTTTTT TTTTCTTTTT

Fig. 5(cont.)

5953 TAAAACACTT CCATAATCTG GACTCCTCTG TCCAGGCACT GCTGCCACGC CTCCAAGCTC  
6013 CATCTCCACT CCAGATTTT TACAGCTGCC TGCAGTACTT TACCTCCTAT CAGAAAGTTT  
6073 TCAGCTCCCA AGGCTCTGAG CAAATGTGGC TCCTGGGGGT TCTTCTTCC TCTGCTGAAG  
6133 GAATAAATTG CTCCTTGACA TTGTAGAGCT TCTGGCACTT GGAGACTTGT ATGAAAAGATG  
6193 GCTGTGCCTC TGCCTGTCTC CCCACCAGGC TGGGAGCTCT GCAGAGCAGG AAACATGACT  
6253 CGTATATGTC TCAGGTCCCT GCAGGGCCAA GCACCTAGCC TCGCTCTTGG CAGGTACTCA  
6313 GCGAATGAAT GCTGTATATG TTGGGTGCAA AGTCCCTAC TTCCTGTGAC TTCAGCTCTG  
6373 TTTTACAATA AAATCTTGAA AATGCCTATA TTGTTGACTA TGTCTTGGC CTTGACAGGC  
6433 TTTGGGTATA GAGTGTGAG GAAACTGAAA GACCAATGTG TYTTYCTTAC CCCAGAGGCT  
6493 GCGCCTGGC CTCTTCTCTG AGAGTCTTTT TCTTCCTTCA GCCTCACTCT CCCTGGATAA  
6553 CATGAGAGCA AATCTCTCTG CGGGG

Fig. 5 (cont.)